WE CLAIM:

1. A system for performing searches across user defined events for an arbitrary geographic region or regions, the system comprising:

an event data structure comprising one or more user defined events, each event associated with a zip code;

a zip list processor, operative to receive a zip code and a distance value, which are used to calculate a zip list comprising all zip codes geographically located within the distance value from the zip code; and

an event list generator to receive the zip list and query the event data structure to retrieve events associated with zip codes contained in the zip list.

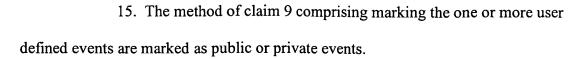
- 2. The system of claim 1 wherein the zip list processor utilizes great circle mathematics to calculate all zip codes geographically located with the distance value from the zip code.
- 3. The system of claim 2 comprising a zip data structure to store one or more zip codes and associated latitude and longitude values.
- 4. The system of claim 1 comprising a calendar generator to facilitate creation of a calendars and a calendar data structure.
- 5. The system of claim 4 wherein the each of the one or more user defined events are associated with a calendar in the calendar data structure.
- 6. The system of claim 5 wherein the calendar generator is operative to format and present the calendar and associated user defined events on a display device.
- 7. The system of claim 1 wherein the one or more user defined events are marked as public or private events.

- 8. The method of claim 7 wherein private events are excluded from the query performed by the event list generator.
- 9. A method for performing searches across user defined events for an arbitrary geographic region or regions, the method comprising:

creating an event data structure comprising one or more user defined events, each event associated within a zip code;

calculating a zip list comprising all zip codes geographically located within a distance equal to a received distance value from a received zip code; and querying the event data structure to retrieve events associated with zip codes contained in the zip list.

- 10. The method of claim 9 wherein calculating comprises utilizing great circle mathematics to calculate all zip codes geographically located with the distance value from the zip code.
- 11. The method of claim 10 wherein calculating comprises retrieving zip codes from a zip data structure used to store one or more zip codes and associated latitude and longitude values.
- 12. The method of claim 9 comprising generating a calendar data structure and one or more calendars through the use of a calendar generator.
- 13. The method of claim 12 comprising associating each of the one or more user defined events with a calendar in the calendar data structure.
- 14. The method of claim 13 comprising formatting and presenting the calendar and associated user defined events on a display device.



16. The method of claim 15 wherein querying excludes private events.